

October 24, 2003

**Project 184 Weekly Update**  
**Website: [www.project184.org](http://www.project184.org)**

Summary of Environmental Planning and Compliance Activities  
For Project 184  
*Week Ending October 24, 2003*

Best Management Practices/SWPPP:

Camp 5 crews have surveyed all open permit areas to determine the amount of Storm Water protection required. Materials are on order and we are preparing for changing weather. Plum creek spoils area will be cleaned up and ready for weather by end of this week.

Mill to Bull Tunnel

EN2 prepared a suggested letter from the District to the USFS regarding the scope of access road maintenance and restoration work this Fall and next year, including a request to extend the USFS Road Use Permit for one year past the December 31, 2003 current expiration. Coordinated with District staff on plans over the next 2-3 weeks on the access road to Flumes 29/30 and on the Alder tunnel spoils transfer yard restoration/access road.

Canal Bench Restoration

On October 15, 2003, District, USFS and EN2 Resources representatives participated in an inspection of erosion control measures, bat door installation, and materials transfer and staging area work remaining for the Canal Bench Restoration Project contractor.

Mill Creek Bore Hole (Diversion Tie-In to Mill to Bull Tunnel)

District counsel provided EN2 comments on administrative Draft Initial Study/Proposed Negative Declaration for bore hole project. The deadline for remaining comments was extended to October 24.

Lake Aloha Telemetry and Dam Maintenance

EN2 received and incorporated comments from the District on the administrative Draft Project Description for Lake Aloha project. EN2 worked with Jake Eymann to complete revisions and then with District administrative staff to distribute revised document to USFS, SWRCB, RWQCB, CDFG and FERC staff for comment in advance of the scheduled October 29 field visit. A Cultural Resources consultant needs to be retained to perform a field historic properties evaluation this fall before winter so that subsequent agency consultation can be completed in advance of needed approvals by summer 2004.

El Dorado Powerhouse Water Quality Monitoring

EN2 coordinated with SMUD and District staff on plans to install continuous monitoring equipment and share with SMUD data collected on turbidity in vicinity of Akin Powerhouse. A meeting with SMUD staff was tentatively scheduled for October 22 at SMUD's Fresh Pond offices.

#### Noxious Weed Training for Camp 5 Crews

USFS and EN2 Resources coordinated regarding the planned information/training workshop for Camp 5 crews on October 22. The training will enable a District designated representative (Steve Lindstrom) to inspect and document compliance for District O & M activities on USFS lands.

#### Alder Creek Spoils Handling Site Restoration:

Subject to board approval today this work will begin later this week and is expected to take three weeks to complete.

**Note: Higher flows are expected beginning October 28<sup>th</sup> through the end of the year in Silver Creek, Caples Creek, and South Fork of the American River. Our flows in the canal system will also be increased to maximum flow levels while we commence dynamic flume testing, and Power Generation.**

#### **Powerhouse Update:**

Unit # 2 has been reassembled and tested to 300RPM with generator excited. Currently working on circuitry for Woodward governor and relay settings for 21V, as required by PG&E. We expect to have Unit # 2 ready for PG&E functional testing by Monday October 27<sup>th</sup>, and pre-parallel testing by October 28<sup>th</sup>. Unit # 1 bearings have been returned to Powerhouse on October 24<sup>th</sup> and we expect to be able to have the Unit # 1 bearings, caps, water installed this weekend. This will allow the crews to focus on the governor and relay settings on Tuesday Oct 28 with PG&E if all goes as planned. By Wednesday EID should be able to generate power to the grid with Unit # 2 and by Friday October 31<sup>st</sup> with Unit # 1. Unit # 1 and Unit # 2 have undergone bearing and shaft cleaning after excessive heat and vibration was encountered in the commissioning process. The crew has been working 7 days a week 24 hours a day to keep on schedule. **“We will be Generating Power for the first time since the 1997 floods next week”.**

#### **Training- Mike Taylor /USFS El Dorado National Forest Conducted this Training:**

This Noxious Weed Training was given by the Forest Service on the proper way of cleaning the equipment before it is moved from one location to another to minimize the transporting of noxious weeds. The class was presented professionally and was well received by the employees. There are EID employees assigned to inspect the equipment for being clean before it is allowed into the field. EID has an Equipment Cleaning Log at camp 5 for all equipment transported in forest. Ken Pence with EN2 resources was also present to discuss the proper way to inspect equipment.

#### **Canal**

The canal is being patrolled three times a week and someone is on the canal daily. No major problems have been found which would prevent the canal to be filled to its capacity. GoodFellow Construction is done with the bench restoration work between Mill Creek and Bull Creek. The concrete sections of flume are being hauled from the staging

area to Sierra Pacific Industries property at Plum Creek. This part of the project will take two weeks. Use caution when using the Plum Creek road due to the heavy truck traffic.

EID crews are work at the Staging areas dismantling the old flume and structures, which were located on the canal bench. The reusable material is being hauled to Camp #5 and stock piled, the trash is being hauled to a landfill.

EID is doing engineering and getting bids on the slide between Flumes 6 and 7. The plan is to fly a drill rig in and set it below the canal. Horizontal drains would be installed to relieve the water pressure against the canal section. Flights will be from the Lower Portal of Alder Creek and Flumes 6 and 7. EID plans on commencing this work November 3, 2003, and should be completed by November 14, 2003.

A letter has been sent to Sierra Pacific Industries requesting permission to install a gate on the access road into Flumes 39 & 40. The work on repairing the slide is processing and the replacing of the generator has taken place. It was noted that there was several stringers that were rotted under the flume and decided to replace them while the crew was in the area. The repairs should be done this week.

The generator has been replaced at Spillway #25, it is propane powered and has an oil containment basin in case of a spill.

The work has been complete at the Alder Creek Diversion Dam. The work required changing the sluice gate, repairing the grizzly gate, repair work on the upstream face of the diversion structure and moving some rocks off the side of the flow channel. The repairs required welding and cement based grout work. All work was done in compliance with our Stream Alteration Agreement.

Work will start this week on the slides 6&7, and 39-40, and the Alder Creek Restoration project on the Lower Portals of Alder Creek Road. The contractor will be Macauley Construction and EID will have an inspector on the site over seeing the work.

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**Echo Lake**

EID is releasing .262 cfs from Echo Lake-to-Lake Tahoe this week and 13.1 cfs through the conduit into the South Fork of the American River. SCADA monitors the flows and the high and low alarms are set for any problems. In addition, the system will be patrolled on a daily basis.

Plans and a schedule are being drawing up to repair or replace the conduit and tunnel at Echo Lake in project phases over the next few years. The slumps and rock fall, which has occurred in the tunnel, have been surveyed and plans are being made to repair them. Safety fence has been installed around the areas of concern.

### **Caples Lake**

Permits have been acquired for the rip raping of the Caples Lake Main Dam. EID is acquiring rock from the site at Tragedy Springs, which should help put to rest any concerns about noxious weeds. The rock is being hauled and stockpiled closer to the work site to minimize traffic control. The actual rip raping will take place this week.

### **Silver Lake**

When Silver Lake is drawn down enough to open the radial gates, plans are to paint the gates and replace the concrete apron in the left groin. Work should start this week.

### **Lake Aloha**

EID is working closely with the proper agencies to acquire permits for Lake Aloha Dam to install a telemetry station and make repairs to the dam, planed for the fall of 2004. There is an inspection trip planed for October 29,2003 including EID and the Forest Service.

A visit was made October 17, 2003 to Lake Aloha.  
Staff 5.64 = 29.5 af

**Listed below are the Projects readings for October 24, 2003, taken from SCADA:**

	<b>Staff</b>	<b>Ac. Ft.</b>	<b>Draft</b>
Echo Lake	1.47	464	12.8
Echo Conduit	2.90		12.8
Echo Creek	1.27		.100 cfs
Caples Lake	54.83	18,024	14.9 cfs
Silver Lake	11.98	3,748	27.1 csf
Pyramid Creek	1.23 = 2.14 cfs		

There is 31.4 cfs being released into the canal at Intake and 45.8 cfs flowing in the South Fork of the American River at Intake.

A-17 Forebay Storage 3,798.7 = 329 ac. ft.  
A-18 EID Irrigation Usage 14.8 cfs.

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